

PIVOVAROVA, Z.I., starshiy nauchnyy sotr., otd. red.; MIRONENKO, Z.I., red.;
YASNOCORODSKAYA, M.M., red.; SOLOVEYCHIK, A.A., tekhn. red.

[Radiation recording manual for hydrometeorological stations] Rukovodstvo gidrometeorologicheskim stantsiam po registratsii radiatsii.
Leningrad, Gidrometeor. izd-vo, 1961. 118 p. (MIRA 14:8)

1. Russia (1923- U.S.S.R.) Glavnaya geofizicheskaya observatoriya
im. A.I.Voeikova.
(Meteorology—Observers' manuals) (Solar radiation)

PIVOVAROVA, Z I.

PHASE I BOOK EXPLOITATION

SOV/5957

Barashkova, Yelena Pavlovna, Vasiliy Leonidovich Gayevskiy,
Lyudmila Nikolayevna D'yachenko, Kira Mikhaylovna Lugina,
and Zinaida Il'inichna Pivovarova

Radiatsionnyy rezhim territorii SSSR (Radiation Regime of the
USSR) Leningrad, Gidrometeoizdat, 1961. 527 p. Errata
slip inserted. 1500 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy
sluzhby pri Sovete Ministrov SSSR. Glavnaya geofizicheskaya
observatoriya im. A. I. Voeveykova.

Ed.: G. Ya. Rusakova; Tech. Ed.: A. G. Alekseyev.

PURPOSE: This book is intended for meteorologists and geo-
physicists.

COVERAGE: This is a survey and analysis of the radiation regime
of the USSR. The authors investigate the relationship between

Card 1/4

SOV/5957

Radiation Regime of the USSR

data used in the study are presented in 35 tables in the two appendixes following the text. The following members of the Main Geophysical Observatory participated in the preparation of the book: V. P. Agapova, G. S. Barkan, M. A. Yemel'yanovich, L. I. Kuz'mina, V. B. Leont'yeva, L. V. Ostrozinskaya, V. G. Poddubnyak, L. M. Rudikov, G. I. Ryumina, Z. Ya. Subbotina, N. K. Titova, and L. T. Khalezova. There are 145 references: 118 Soviet, 15 German, 9 English, and 3 French.

TABLE OF CONTENTS [Abridged]:

Ch. I. Review of Literature and Methods of Processing Observations	5
Ch. II. Total Radiation	22
Ch. III. Diffuse Radiation	55
Ch. IV. Direct Radiation	79
Card 3/4	

Radiation Regime of the USSR	SOV/5957
Ch. V. Albedo of the Underlying Surface	92
Ch. VI. Effective Radiation of the Underlying Surface	115
Ch. VII. Radiation Balance of the Underlying Surface	125
Bibliography	152
Appendix I	158
Appendix II	223
AVAILABLE: Library of Congress	
SUBJECT: Geophysics	

Card 4/4

MM/rtk/tem
6-1-62

PIVOVAROVA, Z. I.

"The radiation climate of the USSR according to the data of observations of
the actinometric stations."

report presented at the Atmospheric Radiation Symp, Leningrad, 1-12 Aug '64.

PIVOVAROVA, Z.I.; MANYGINA, V.A.

Use of mechanization in processing actinometric observations.
(MIRA 16:2)
Trudy GGO no.129:31-39 '62.
(Solar radiation)

PYONGYANG, D.P.R.K.

Plantations of rice, sugar cane and its products were all
during the 1959 period. Meteorological conditions were
good.

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L 1960-66 ENT(1)/FCC GW
ACCESSION NR: AT5022062

UR/2531/65/000/179/0965/0078

AUTHOR: Pivovarova, Z. I.

TITLE: Correlations between anomalies of total radiation and atmospheric circulation

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 179, 1965.
Teplovoy balans (Heat balance), 65-78

TOPIC TAGS: total radiation, terrestrial atmosphere, synoptic state, fundamental circulation, anomaly recurrence, global frontal zone, baric field, cyclone, anti-cyclone 44,55

ABSTRACT: The relationship between anomalies of total radiation in the terrestrial atmosphere and the synoptic state of the atmosphere is studied. Three summer months (June, July, and August) and three winter months (December, January, and February) during the IGY and IGC were chosen, and anomalies of the total radiation were compared with fundamental atmospheric circulation. Positive anomalies predominate in summer and negative in winter. Deviations from this distribution occur as local phenomena. The recurrence or positive and negative anomalies of total radiation coincides with the western position of the global frontal zone. Zonal processes in winter are associated with recurrences of negative anomalies of radiation. In sum-

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ACCESSION NR: AT5022062

3
Over the anomaly of the total radiation does not depend upon latitude, and it amounts to about 50-80 cal/cm² a day. In winter the anomaly changes with latitude increasing to the south, amounting to 10-15 cal/cm² in the north and 25-35 cal/cm² in the south per day. Observation data of 22 stations obtained during the IGY and IGC were processed, the mean value computed, and deviations of radiation from the mean value put on maps where the radiation field was compared with the synoptic dynamic state. The anomalies of radiation and the baric field in summer showed good agreement. Cyclone areas were associated with negative radiation anomalies while anticyclone areas showed positive anomalies. In winter no such agreement occurred. Five maps in the original article show the synoptic state and the distribution of anomalies of total radiation in the USSR. Orig. art. has: 5 tables and 5 maps. [EG]

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, AA

NO REF Sov: 006

OTHER: 000

ATD PRESS: 4088

Card 2/2 QD

PIVOVAROVA, Z.K., inzh.; DONTSOV, Ye.P., inzh.; ROSTENKO, V.R., inzh.;
KOTOV, B.I., inzh.

Mechanization of the production of water glass for electrodes.
(MIRA 18:11)
Svar. proizv. no. 5:34 My '64.

1. Taganrogskiy zavod "Krasnyy kotel'shchik".

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

"Development of motorcycle construction." p. 160. (Svet Motoru, Vol. 8, no. 168, March 1954. Praha.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

PIVRNEC, Jan, dr.

Role of patents in technical development. Automobil Cz 7
no.11:352-355 N'63.

PIVRNEC, Jan, dr.; SCHULMANN, Jan, dr.

Outlook for two-wheel motor vehicles. Automobil 7 no.2:33-35 F '63.

1. Zavody 9. kvetna, Jawa.

LIVNEC, J.
[REDACTED]

International exhibition of motorcyclists in Frankfurt.

T. M. (Automotif), Vol. 1, no. 7, Feb. 1971, Prague, Czechoslovakia

SC: "VON KOMI I. DAK" (KOMI VON I. DAK) (MAY 1971, 12, M1, 1, SC, 1, T1, 1)

HORNIG, J.; SCHWARTZ, J.

The world's production and sale of single-track motor vehicles.

P. 74 (Automobile, Vol. 3, no. 3, Mar. 1911) Fig. 1, Mechanical parts.

30: MONTHLY MEAN PRECIPITATION ACCORDING TO KARL, E., 1911, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

PIVRNEC, J.

"25 Years of Honest Labor", P. 494, (SVET MOTORU, Vol. 8, No. 16, July
1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Unclassified.

PIVRNEC, J.

"25 Years of Honest Labor. (To Be Contd.)", P. 464, (SVET MOTORU, Vol. 8,
No. 15, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

PIVRNEC, J.

"New Czechoslovak JAWA 50 motorcycle." p. 334.

SVET M TOMU. (Svaz pro spolupraci s armadou). Praha, Czechoslovakia,
Vol. 13, No. 11, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 6, No. 6,
August 1959.
Uncla.

CHŁAP, Z.; JORASZ, E.; PIWOWARCYK, K.

Multiple myeloma with unusual characteristics. Pat.polska 10 no.?:
367-377 '59.

1. Z Zakładu Anatomii Patologicznej A.M. w Krakowie. Kierownik:
prof.dr Janina Kowalczykowa. Z Kliniki Radiologicznej A.M. w Kra-
kowie. Kierownik: prof.dr Stanisław Januszkiewicz.
(MYELOMA PLASMA CELL case reports)

2/058/52/00/006/188/136
2/057/2/01

24,2600

PIOTROWI, M. I., FGD R.S. 1. A.
PIOTROWI, M. I., FGD R.S. 1. A.

UDC 621.372.52.01. Abstract "F30"
UDC 621.372.52.01. Refraction of light, electric current, magnetism & propagation of waves in mixed single crystals ($x < 1$)

UDC 621.372.52.01. Refraction of light, electric current, magnetism & propagation of waves in mixed single crystals ($x < 1$)
UDC 621.372.52.01. The dependence of the light current, natural time of photo carriers, quantum yield of the photo current, transmission coefficient of light, and lux amperes (lux resist) was studied experimentally. The dependence of the permanent current on the components. The investigated crystals were obtained by sublimation of a selected binary mixture in a given condition. It is demonstrated that the dispersive edge of the band of internal absorption in mixed crystals depends clearly upon the content of the components. The position of the maximum of photoconductivity λ_{max} is shifted to the right as the shift of the edge of internal absorption, where in mixed single crystals the parameter of figurativeness is small. ✓

UDC 621.372.52.01.

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Excerpted from

In the spectrum obtained by the author and Dr. A. K. Agar, these crystals have a peak absorption coefficient of 10⁴ cm⁻¹. It has been demonstrated that the form of the absorption curve of photoconductivity in these crystals is determined by the dependence of the value of quantum yield of the photo-current upon the wavelength. The dependence of the photo-current density on the applied law, obeys the exponential law, and at the absorption edge it decreases at a rate of approximately natural times. It is also demonstrated that the zinc crystals are quite sensitive to the ultraviolet, X-rays and gamma rays.

V. M. Berezin

At shorter wavelengths complete transmission

27

P. I. R. A. N. I.

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Academy name Uralmash / - Institute No. 141

Published in Moscow in 1971 by the Institute of Semiconductors of the USSR Academy of Sciences. It is a collection of papers presented at the International Conference on Optoelectronics held in Leningrad, 26-28 September 1971. It contains articles on Photovoltaic and Optoelectric Phenomena in Semiconductors; Transistors of the Planar Type; Photocurrents in Photoelectric and Optical Phenomena in Semiconductors. Leningrad, 1972. Eng. p. 8,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Presidium. Scientific po polugorodinam.

Ms. of Publishers House: I. V. Kleine, Tech. Ed., A. A. Retzovchikov, Ed. V. Yu. Lebedev, Academician, Uralmash SSSR, Academy of Sciences.

PURPOSE: This book is intended for scientists in the field of semiconductor physics, solid-state spectroscopy, and semiconductor devices. The content will be useful to advanced students in universities and institutes of higher technical training specialising in the physics and techniques application of semiconductors.

CONTENTS: The collection contains reports and information bulletins (the latter are indicated by asterisks) read at the First All-Union Conference on Optics and Photoelectric Phenomena in Semiconductors. A wide scope of problems in semiconductor physics and technology are considered: photoconductivity, photovoltaic effect, optical properties, photoelectrolytic cells and photocathodes, the action of hard and soft radiation on semiconductors, the properties of thin films and liquid-crystal systems, etc. The materials were prepared for publication by E. I. Nasarabov, O. V. Strel'tsova, K. D. Chirkov, A. P. Lashchenko, and M. K. Shremshman. References and material on follow each article.

Groshe, Yu. P. and N. A. Slobodchikov. Leningrad, 1972.

Photovoltaic and Optical Phenomena (Cont.)	507/514
Crystals at the Edge of the Main Absorption (Spectrum) (Theses)	63
Groshe, Yu. P./A. A. Kaplyanskiy, and D. V. Marushin. Spectral Photoconductivity Curves of Cd ₇₇ Te at Low Temperatures (Theses)	66
Hinchin, Yu. A. Some Optical and Photoelectric Properties of Polymerstabilized CdS Layers.	74
Photoconducting Cd ₂ O ₃ -ZnO ₂ Single Crystals (Eds.)	95
Razumovsky, Yu. Yu., S. M. Savrin, and I. N. Agorov. Dependence of the Width of the "Forbidden" Zone on Composition of Solid Solutions.	95
Slobodchikov, Yu. A. and G. A. Podlaha. The Generation of an Oscillating Photoelectric Current in CdS and Cd ₃ S ₂ Zinc Oxide Crystals.	96

Card 5/16

PIVTCAK, B.D., i.z.; SUREATOV, V.A., i.z.

Uzin plat- und pipes ist uznal in aluminum pipelines. Ont. 1
spets. zl. v stroi. 23 no. : - 1 Mr '61. (M A U.S.)

1. Kaz. na taz stroitel'no-monaz roye upravleniye tresta №.7 May-
nellen. s. 2.

(Tatneft A.G.S. ---Petroleum --Pipelines) (Pipe, Alu Instr.)

PIVTSAYKIN, G. I.

General Questions (1521)
Izv. AN BSSR, No 3, 1953, pp 3-21

Pivtsaykin, G. I.

"Science and Its Role in the Development of Society"
No abstract.

SO: Referativnyy Zhurnal--Matematika, No 1, Jan 54; SO: (W-30785, 28 July 1954)

PIVTSOV, N.

~~REDACTED~~
Apartment houses are being constructed according to standard
technology. Stroitel' no.6:16,19 Je '98. (MIRA 11:7)

1. Glavnnyy tekhnolog tresta No.30.
(Apartment houses)

SOKOLOV, P.K., inzhener, retsenzent; PIUTSOV, N.P., inzhener, retsenzent;
PARAMONOV, G.A., inzhener, redaktor; SHPAKOVSKAYA, L.I., redaktor;
LISINA, V.M., tekhnicheskij redaktor

[Construction foreman's manual for general construction work]
Spravochnik mastera-stroitelja po proizvodstvu obshchestroitel'-
nykh rabot. Novosibirsk, Novosibirskoe knishnoe izd-vo, 1957.
653 p.

(Construction industry)

PIWARSKI, Kazimierz

The Polish Academy of Sciences, Krakow Branch. Review Pol Academy
7 no.3:9-17 Jl-S '62.

PIWASKI, Kazimierz

Krakow Branch of the Polish Academy of Sciences. Nauka polska 10
no. 5:53-66 S-0 '62.

1. Członek rzeczywisty Polskiej Akademii Nauk, Kraków.

PIWECKI, mgr inż.

Symposium on filtration. Tech gosp morska 13 no.3,81 Mr '63.

Piasecki, J.; Janczak, J.

An example of the application of electric methods in the investigation of
filtration through an earth dam. p.3

ZESZYT HYDROTECHNICZNY. Polska Akademia Nauk. Instytut hydroinżynierii
Warszawa, Poland. no.4, 1959

Monthly List of First European Accessions Index, (EEAI) LC, Vol. 2, no. 6

June 1959

Incl.

PIWICKI, T.

The application of a method of electric analysis for determining favorable conditions for the intake and discharge of water for cooling industrial installations. p. 111

ARCHIWUM HYDROTECHNIKI. (POLSKA AKADEMIA NAUK. INSTYTUT WYDZIAŁU W WARSZAWIE)
Warszawa, Poland. Vol. 6, no. 2, 1950.

Monthly List of East European Acquisitions (EEAI) LC, Vol. 1, no. 8
August 1950.

Uncl.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

ESTATE, THE (1900-1901)

A few data is presented the table of Figure 1, which shows the effect of the
7% dilution of the fat on the viscosity.

¹ See also the discussion of the relationship between the two in the section on "Theoretical Implications" above.

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MACKOWIAK, Zbigniew, mgr inz.; PIWKO, Stanislaw, mgr

The UMC-1 computer in the service of the mining industry. Pol. ...
Wiadom gorn. nr. 107-29 Ja '65.

PIWKOWSKI, Jerzy, mgr inz.

Occupational training of technical personnel in the Kielce region.
Przegl techn no. 52:7 30 D '62.

1. Wiceprzewodniczacy Wojewodzkiego Komitetu Poformumiewawczego
Naczelnnej Organizacji Technicznej, Kielce.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

POLAND/Electronics - Photocells and Semiconductor Devices

Abs Jour : Ref Zhar - Fizika. No 4, 1958, No 8777

Author : Peltynowski, A., Glass, J., Przyborowski, T., Tarin, A.

Inst : Institute of Physics, Polish Academy of Sciences, Warsaw,
Poland

Title : Microstructure of Photoconductive Lead Sulfide Layers

Orig Pub : Acta phys. polon., 1956, 15, No 5, 275-282

Abstract : The microstructure of PbS layers was investigated by the methods of electron diffraction and electron microscopy. The PbS layers were obtained by evaporation in vacuum, and the conditions for the investigations were obtained by the method of formvar pseudo replicas, and also by direct sputtering on formvar, mica, or aluminum films. The PbS layers consisted of crystals measuring 200 to 300 Å. The type of substrate did not seem to affect the size and shape of the crystals. The diffraction patterns from directly sputtered layers correspond to face-centered lattice of the NaCl type. The diffraction patterns of the pseudo replicas

Card : 1/2

Category : POLAND/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur - Fizika, N° 1, 1955 No 1602

Author : Feltynowski, A , Glass, I , Piwkowski, T , Torun, A
Title : Microstructure of Photocductive Lead-Sulphide Layer

Orig Pub : Bull Acad polon sci Cl III, 1954, 2, N° 3, 301-311

Abstract : See also Ref Zhur Fiz , 1955, 2210

Card : 1/1

PIWKOWSKI, T.

16707* (English) Microstructure of Photoconductive Lead
Sulphide Layers. A. Foltynowski, J. Glaż, T. Piwkowski, and
A. Turun. Acta Physica Polonica, v. 15, no. 5, 1956, p. 275-282
6

In general, the PbS layers consist of crystals 200 to 300 Å in
size. Diffraction patterns of layers deposited directly by
evaporation correspond to a regular face-centered lattice of the
NaCl type.

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PIŁKOWSKI, T.

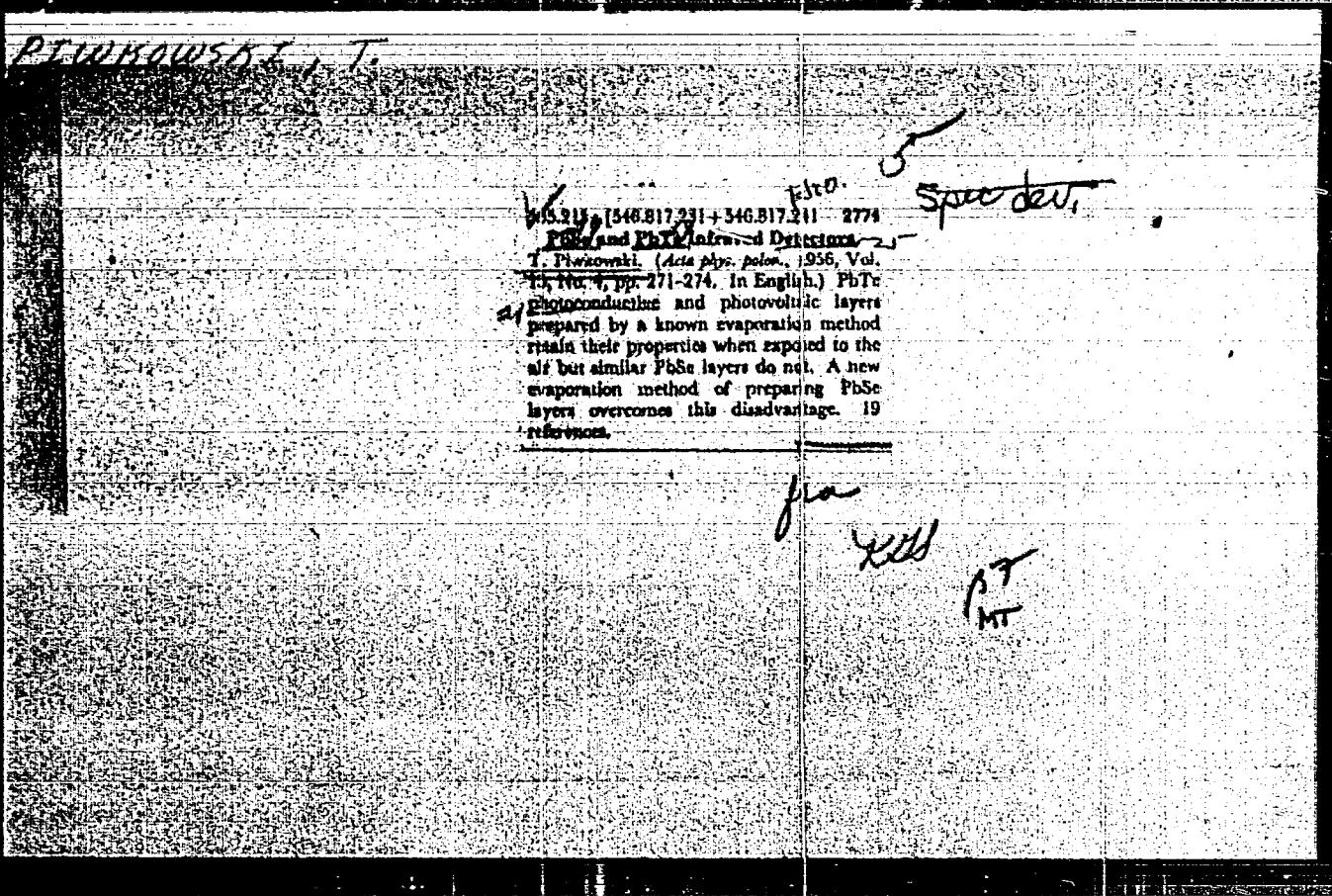
27
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Chew
Microstructure of photoconductive lead sulfide layers.
A. Feltynowski, I. Giese, T. Piłkowski, and A. Toruń
(Polish Acad. of Sci., Warsaw). Acta Phys. Polon. 15,
276-82 (1958) (in English).—The microstructure of PbS
layers obtained by evap. *in situ* was investigated by elec-
tron diffraction and electron microscopy. In general, the
PbS layers consist of crystals 200-300 Å. in size. The
diffraction patterns of layers deposited directly by evap.
correspond to a regular face-centered lattice of the NaCl
type.
June 2, 1981
fme
MT

Piwkowski T

5740. MICROSTRUCTURE OF PHOTCONDUCTIVE LEAD
BROMIDE LAYERS. A. Felikowski, J. Giese, T. Piwowaski and
A. Tocun.

Acta phys. Polon., Vol. 18, No. 5, 275-82 (1966).
The microstructure of PbBr layers has been investigated by means of electron diffraction and electron microscopy. The PbBr layers were obtained by evaporating in vacuo. The specimens to be examined were prepared by the method of formvar pseudo-replicas or directly by evaporation on thin films of formvar, collodion or aluminium. In general, the PbBr layers consist of crystals 100-300 Å in size; no influence of the substrate on the size or shape of these crystals has been observed. The diffraction patterns of layers deposited directly by evaporation correspond to a regular face-centred lattice of the NaCl type. The diffraction patterns of the pseudo-replicas show characteristic departures from this structure consisting of a decrease in the diameter of the 210 ring and an increase in the diameter of the 310 ring as compared with the diameters of the remaining rings.

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IWKOWSKI, T.

IWKOWSKI, T. PbSe and PbTe infrared detectors

Vol 15, no. 4, 1956
ACTA PHYSICA POLONICA
SCIENCE
Warszawa, Poland

To: East European Accession vol 6, no. 3, March 1957

HINK VI, T.

"Photoelectric Coatings of lead Sulfide with New Properties," null.
Pol'skoy Akad. nauk. Otd. 3, 1, No 5, 1953, pp 181-183

A method for production of "open" photoelectric coatings able to operate under atmospheric pressure is revised. Coatings of PbS, obtained as usual by evaporation in vacuum, are subjected to long heating in oxygen at low pressure and at 450°C. Experimental results show that conductivity first drops but later reaches two to three times its initial value. It is assumed that resistance of these coatings to atmospheric influence is caused by formation of microcrystals of lead.

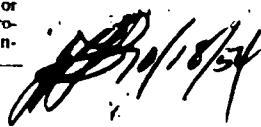
RZhFiz, No 3, 1955

Piwkowski, T.

⑥

Photosensitive lead sulfide layers with new properties.
T. Piwkowski (Univ. Warsaw). Bull. Acad. polon. sci.
Classe III, t. 185-7 (1953) (in English).—Photosensitive PbS
layers which do not deteriorate when in contact with air
were prepd. These layers have to be first sensitized in O₂
at low pressures in the same way as vacuum photocells
but for a much longer period of time. The sensitization is
controlled by measuring the elec. cond. of the layer. Fi-
nally the layer is heated ~~in vacuo~~ at 270° by passing a current
through it; then air is admitted and the layer is rapidly
cooled down to room temp. Cells prepd. in this way have
been kept in air for over 2 years without losing their photo-
sensitive properties. The dark sensitivity and photocond.
of these layers at liquid-air temps. is over 100 times greater
than at room temp. The lowest detectable intensity of
radiation, the spectral responsivity and the response time
(20-180 microsec.) of these open cells are the same as for
vacuum cells. It is assumed that specks of Pb (micro-
crystals) are formed throughout the layer which are insen-
sitive to atm. air.

Rudolf Nitsche



Piukowski, T.

2223. Microstructure of photoconductive lead antimony layers. A. PIUKOWSKI, I. OLAKA, J. PIUKOWSKI AND A. TORUN. *Anal. Acad. Polon. Sci.* 24, 2, 5, 701, 289-91 (1954).

Electron microscope photographs are shown of evaporated photoconductive PbS layers. The layers are of a type that retain their sensitivity when opened to the atmosphere. Chalcocite crystals roughly 250-1000 Å wide, and 500-3000 Å long are visible, grouped together in clusters in the thicker parts of the layers. Electron diffraction patterns showed the crystal lattice to be deformed and that material other than PbS was present, presumably due to the method of preparing the layers.

D. G. Avery

PISKOVSKI, T., GLASS, I., FILTYNCZKI, A., TORUN, A.

"Microstructure of photoconducting Layers in Lead Sulfide".
Byul. Polsk. AN. Otd. III, 2, No 8, pp 395-397, 1954

The fine crystalline structure of photoconducting PbS was studied under electron microscope and the chemical structure by electron diffraction. Crystals have an elongated shape 900-1000 Å long and 250 - 1000 Å wide. The diffraction pattern indicates a regular face centered structure. (RZhFiz, No 10, 1955)

SO: Sum No 812, 6 Feb 1956

PIWNICKI, Konrad, mgr inż.

Single side-band modulation for mobile radiocommunication equipment. Przegl telekom 36 (1.4.77) no.1:17-26 Ja '64.

l. Katedra Urządzeń Radiotechnicznych i Telewizyjnych,
Politechnika, Warszawa.

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APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013411

Blatch, Marvin

Military Format: 75 in the vicinity of Suez. Material: 1
9 NO. 13183-12-164.

U. Department of State cables dated 19 January 1964, re: Suez.
Answer. Submitted January 16, 1964.

PIWOCKI, Marcin

Reports on geological and brown coal prospecting works
in the region of Rogow-Lyszkowice-Skierniwice, Lodz
Voivodeship, performed during the years 1960-1961.
Kwartalnik geol 6 no.4: 754-755 '62.

1. Zaklad Zloz Wegl, Instytut Geologiczny, Warszawa.

PIWONSKI, Wacław, mgr inż.

Reliability investigation of electronic products in
the industrial factories of the Association of the
Electronic and Communication Engineering Industry.
Przegl. elektroniki 4 no. 10/11: 596-597, 598 O-N 143.

1. Zjednoczenie Przemysłu Elektronicznego i Teletechnicznego,
Warszawa.

PIWOWAR, A

Problems involved in the industrial fattening of ducks, p. 10. (PRZEGLAD JAJCZARSKO DROBIARSKI, Warszawa, Vol. 1, no. 8, Aug. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 3, Jan. 1955,
Uncl.

PIWOWAR, A.

A conference of the instructors of the Provincial Committee of Collective Farms on poultry and egg production in Warszw, p. 12. (PRZEGLAD JAJCZARSKO DROBIARSKI, Warszawa, Vol. 1, no. 8, Aug. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955,
Uncl.

PIWOWAR, A.

Some collective farms in Gdansk Voivodeship, p. 13. (PRZEGLAD JAWCZARSKO DZIĘBIAFSKI, Warszawa, Vol. 1, no. 8, Aug. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. A, Jan. 1955,
Uncl.

PIMOWAR, A.; OGIALSKI, L.; SZARO, A.

"Freezing Poultry in Low Temperatures." p. 16, (MEDYCyna WETERYNARYJNA,
Vol. 10, No. 1, Jan. 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEL), LC,
Vol. 4, No. 5, May, 1955, Uncl.

PATON, B.E., prof. dr. inz.; PIWOWAR, Liliana, mgr. inz. [translator]

Welding in the future. Przegl. spaw 15 no. 10:205-209 0163

1. Prezes Ukrainskiej Akademii Nauk, Dyrektor Instytutu Spawalnictwa im. E.O.Patona, Kijow (for Paton).

PIWOWAR, Stanislaw, dr., inz.

International symposium on stainless steel, Prague, September 11-13,
1961. Przegl spaw 13 no.12:328 '61.

P/036/62/000/012/001/001
D001/D101

AUTHOR: Bielawski, Stanislaw, Director of Engineering

TITLE: On the weldability of H17 and H17T stainless steels

PUBLICATION: Przeglad Spawalnictwa, no. 12, 1962, 309-317

THAT: The purpose of this investigation was to revise negative concepts on the usability of stainless steels H17 and H17T in welded structures. Steel sheets used for this research were rolled from ingots soaked at 1,000°C instead of the conventional 1,180°C. Upon rolling, the sheets were heated to 780-820°C and held at this temperature for 3 minutes for each millimeter of thickness. The percentage composition of the steels was as follows:

Steel	C	N	Al	P	S	Cr	Ni	Ti
H17	0.11	0.55	0.34	0.028	0.009	16.78	0.37	-
H17T	0.10	0.49	0.56	0.029	0.010	17.40	0.30	0.84

Card 1/2

On the weldability of H17 and ...

1/056/6.2/000/012, 11/001
0001/D101

Their main mechanical properties were: $\sigma_y = 50 \text{ kg/mm}^2$, $\sigma_p = 45 \text{ kg/mm}^2$, $a_c = 26^\circ$, $c = 45^\circ$, $T = 11 \text{ kg/mm}^2$. Investigation was concentrated on phenomena occurring in the heat-affected zone and on related changes in mechanical properties. This included bend tests, impact tests, microhardness tests, the effect of heat and squeeze on the plasticity of welded joints, the distribution of temperatures in the heat-affected zone, and weld corrosibility in H17 steel. Inclusions: Irreversible brittleness in H17 and H17T steel welds within the heat-affected zone is caused by segregation of $M_{23}C_6$ type of carbides on the grain boundaries. Excessive power supply, especially in connection with improper welding procedures, reduces weld plasticity and raises corrosibility. Upon proper welding, H17 steel bends through 90° and H17T steel through 180° . H17 steel has been found unsuitable because of its susceptibility to intercrysalline corrosion and sensitivity to welding techniques, while H17T steel is recommended for use in structures exposed to mildly aggressive media and not subjected to dynamic loads. In many instances, ferritic H17T steel can replace expensive austenitic (H18W9T etc.). There are 9 figures and 5 tables.

ASSOCIATION: Politechnika Warszawska (Warsaw Polytechnic Institute)

Card 1/2

PINOWAR, Stanislaw, dr ins.

Weldability of stainless H17 and H17T steels. Przegl spaw 14
no.12:309-317 D '62.

1. Politechnika, Warszawa.

SZCZECINSKI, Z.; WĘGRZYN, J.; PIWOVAR, S.

Discussion concerning Stanislaw Piwowar's article on "Weldability of P 17 and H 17 T stainless steel." Przegl spaw 15 no.5/6:132-133 My-Je '63.

PIWOWAR, Stanislaw, dr inż.

New possibilities of using welding methods in metallurgy.
Hutnik P 31 no.51168-173 My '64.

I. Department of Welding, Technical University, Warsaw.

PLATEAU 275, 1991-1992

Distr: 4E2c/4E2b(w)

✓ Welding a new corrosion-resistant steel with 17% chromium, 4% nickel, 1% manganese, and an addition of nitrogen. Stanislaw Piszcak (Czestochowa, Warsaw). - Prepared. Spec. No. 16, 103-11 (1989). - These steels contained 0.12-0.18% N. Owing to the increasing prices of Ni, expts. were made to find new steels resistant to weak acids, which could be used instead of 18/8 steels. The properties of the corrosion-resistant steel contg. a lowered Ni content, Mn, and N are described. Contrary to the similar U.S. Steel 201, the new steel was prepd. with 2 different C assays, one up to 0.07, the other one up to 0.15%. The one with 0.07% C showed a resistance to stress and intercryst. corrosion, and was corrosion-resistant to 65% HNO₃ at 50°; the mech. properties and the weldability of both sorts responded to those of 18/8 steels. Vessels made of such steel were in service under industrial conditions for several months. 22 references.

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Werner Janssen

Ado

L 00627-67 EWT(m)/T/FWF(v)/EWP(k)/EWP(t)/FTI IJP(c) WR/HM/JD
ACC NR. AT6009277

SOURCE CODE: GE/2501/65/013/000/0349/0354

AUTHOR: Piwowar, Stanislaw (Doctor, Eng.)

ORG: Technical High School, Warsaw (Technische Hochschule)

TITLE: The weldability of CrNiMn steels with nitrogen additive

SOURCE: Akademie der Wissenschaften, Berlin. Forschungsgemeinschaft für physikalisch-technischen und medizinischen Institute. Über wissenschaftliche Grundlagen der modernen Technik. Reihe A: Tagungen, v. 15, 1965. Struktur von Metallen (Nitrogen in Metals), 349-354.

TOPIC: Steel, austenitic, steel, nitrogen, weldability, welding, metallurgy, propagation, diffusion, heat treatment, mechanical properties

ABSTRACT: The article reports on the investigation of the weldability of a steel with nitrogen and the currently being manufactured in the German Democratic Republic. This steel has composition 0.07% C, 1.17% Cr, 1.1% Ni, 0.5% Mn and 0.12 - 0.18% N. The steel which was the object of the investigation contained carbon content of 0.05 - 0.19% and a constant residue alloy element content. The purpose of the investigation was to determine the behavior of the steel during welding, the effect of the disperse phase in the heat influence zone of the weld on the resistance of the steel to intercrysalline corrosion, and the nitrogen diffusion.

16

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ACC NR: AT6009277

the electric arc during the welding process. A special device, consisting in the principle of a stress machine in which the steel samples are subjected to tensionally was designed and built for the investigation of the heat crack formation mechanism. It is concluded that the nitrogen disperse phase, which appears in only a few cases in the welding of the steels investigated, is without doubt a new phenomenon in nitrogen steels. Its main importance is the fact that the presence of this phase contributes to lower intercrystalline and overall corrosion when the welding heat cycle proceeds abnormally. It was also found that the presence of the disperse nitrogen phase, in addition to changing the intercrystalline resistance to corrosion, there is a deterioration of the mechanical properties and a greater tendency to heat crack formation. Orig. art. has: 5 figures and 1 table.

SUB CODE: 11, 13/ SUBM DATE: none

Card 2/2 Pb

PIWOWARCZYK, S.

Man as the source of animal tuberculosis in the Warsaw Zoo.
Gruzlica 31 no.6:726-727 Je'63

1. Katedra Epizootiologii Klinika Chorob Zakaznych, Warszawski Ogrod Zoologiczny, Warszawa.

*

PIWOWARCZYK, S.

PIWOWARCZYK, S. Simplification in planning construction work. p. 81

Vol. 8, no. 4, Apr. 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

STHYSZAK, A.; PIWOWARCZYK, St. (Warszawa)

Testing the immunizing value of vole bacilli and BCG vaccine in
calves. Rocznik nauk roln. wet. 70 no. 1/4: 170 '60.
(EEAI 10:9)

(Vaccines and vaccination) (Immunity) (Calves)
(Tuberculosis) (BCG vaccination)
(Field mice) (Bacillus)

PIWOWARCZYK, S.

Diagnosis of tuberculosis in dogs by culture on egg-media and
simultaneous type identification of *Mycobacterium tuberculosis*.
Med. wet. 6 no.4:216-218 Apr. 1950. (CLML 20:1)

Of the Institute of Epidemiology and of the Clinic of Infectious
Diseases of the Veterinary Department of Warsaw University (Head
Prof. Anton Stryczak, M. D.).

PIWOWARCZYK, St.(Warszawa)

Narcosis applied on bisons (Bison bonasus). Rocznik nauk roln. wet. 70
no. 1/4:101 '60.
(REAI 10:9)

(Bison) (Anesthesia)

PIWOWARCYK, Stanislaw (Warszawa)

Presence of tubercle bacilli in the milk of cows showing a positive
tuberculin test. Rocznik nauk roln. wet. 70 no.1/4:155 '60.
(EEAI 10:9)

(Mycobacterium tuberculosis) (Cattle)
(Milk) (Tuberculin)

PIWOWARCZYK, Stanislaw (Warszawa)

Influence of pregnancy upon the course of tuberculosis in animals.
Rocznik rolnictwa weterynaryjnego 70 no.1/4:158 '60. (EPAI 10:9)

(Tuberculosis) (Animals)

PIWOWARCZYK, Stanislaw

SURNAME, Given Names

Country: POLAND

Academic Degrees: Prof. Dr.

Affiliations: 1.- Director of the Clinic of Infectious Diseases (Klinika Chorob Zakaznych),
Veterinary Division (Wydzial Weterynarii), Main School of the Rural
Economy (SGGW -- Szkola Glowna Gospodarki Wiejskiej) Warsaw; and

XXXSource: 2.- Department of Epizootiology (Katedra Epizotiologii), Veterinary Division,
Main School of the Rural Economy, Warsaw, Director: Prof Dr. Abdon
STRYSZAK

Source: Warsaw, Medycyna Weterynaryjna, Vol XVII, No 9, 1961, pp 550-551

Data: "Pfizer's Terramycin in the Treatment of Some Animal Infectious Diseases."

47

000 901603

PIWOWONSKI, J.

Production of the Polish shipyards. Horyz techn 15
no.10:6-9 '62.

PIWOWONSKI, Jan

Catastrophes of submarines. Horyz techn 16 no.11-16-18 1963.

PIWOWONSKI, Jan

Fires at sea. Moryz techn 17 no.6:9-11 Je '64.

PIWOWONSKI, Jan, mgr

Era of seagoing supervessels. Horyz techn 16 no.1:12-15 '63.

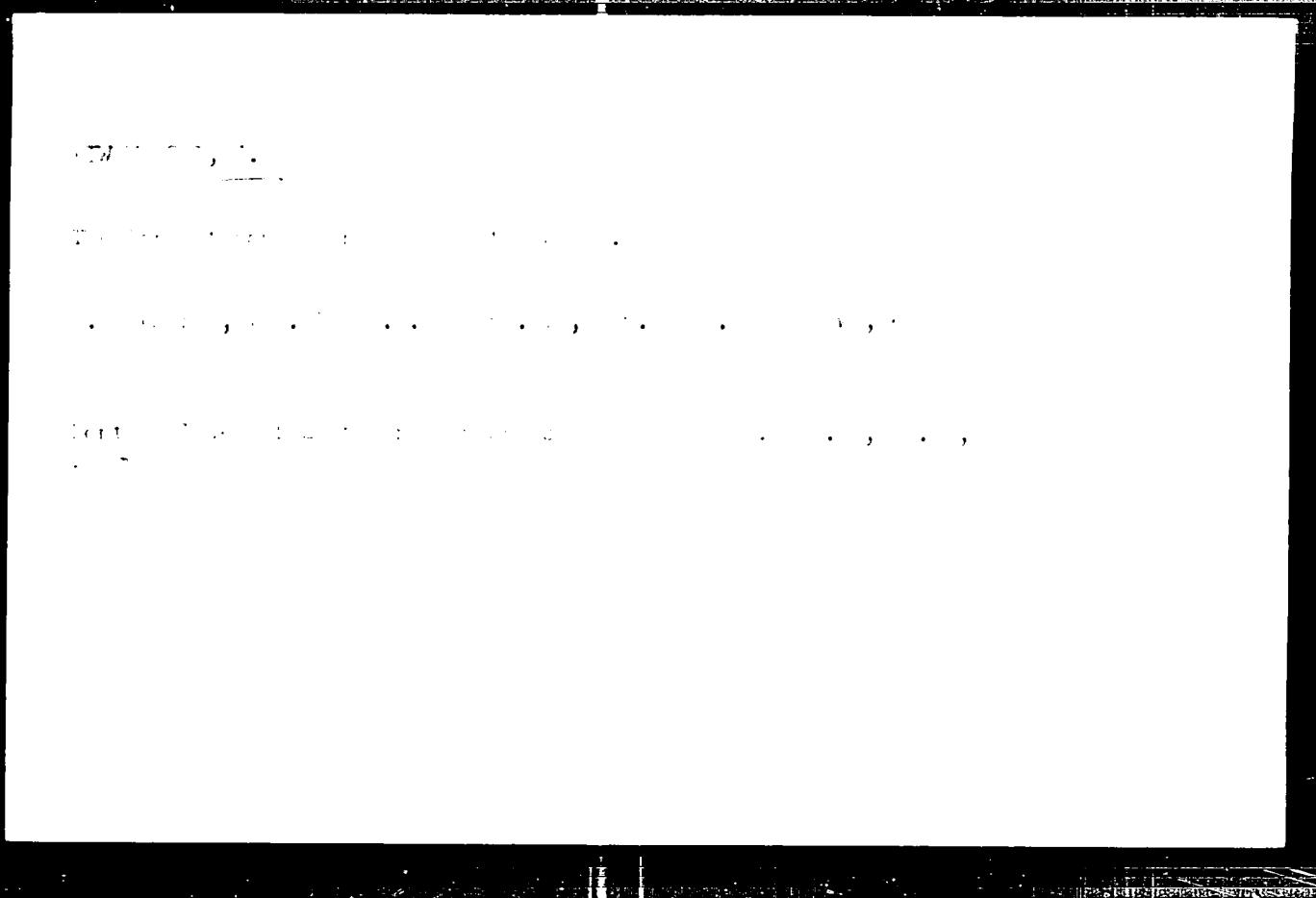
THE JOURNAL.

$P_{11} = \text{positive}$.

- Cenozoic areas, plant, Vol. 1, no. 1, Jan. 1-8

Downloaded from https://academic.oup.com/imrn/article/2020/10/3333/3290333 by guest on 10 August 2020

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001341

Piasevsky, E.

On the Bibliography of High-Grade Gold and Gold-Copper
Ore Deposits Observed by Soviet Geologists in the USSR and Abroad
Report (Vsesoyuz. Iamn. Gid., July 21, 1964, pp. 3-12, 31).

Classification of the rock and distribution is first mentioned in
a number of literature. Methodology was given. Since the re-
sults of the work were obtained from the literature, the methods are de-
scribed. The classification of rock types may be obtained
with reference to the literature. Methods may be used for pur-
ification of certain rocks. The methods of separation
and purification for successive distribution is
described. The size being a major problem distribution in
the next form. The thermodynamic and chemical reaction
likely to proceed in each method are described. (S) information

D/

3/80

2

Piwowarsky, E.

Calculation of the Composition and the Determination of the Functional Dependence of the Variables in Optical Glass Using Spectrometry. By Piwowarsky and W. A. Macfarlan. (Chemical, Physical, & Mineralogical Bulletin, 1948, May, 649-657). The literature is then reviewed. Comparative diagrams indicating new factors are presented. One of them shows the relation between the quantity of stampings and the conversion ratio in the reactor for different hot-blast temperatures. A new diagram in the cold-blank reactor shows the relation between the quantity of stampings, conversion ratio, and oxygen and quantity of air blown. (A.A.B.)

PINOWSKIY, Ye.

14763° (Hard Manganese Cast Steel) Über Mangan,
Kontaktalloyen. In: P. Grawny and H. L. Ross, General, v. 41,
no. 14, July 1950, p. 607-608.
Effects of additives on foundry practice, mechanical properties,
and phase transformation. Tables, graphs, micrographs, photo-

BINEK, B.; SPURNY, K.; PIXOVA, J.

Electrostatic impactors for absorption of samples of aerodispersed noxious agents. Prac. lek 15 no.10:415-419 D '63.

1. Ustav fyzikalni chemie CSAV, Praha.

SPURNY, Kvetoslav; PIXOVA, Jindriska

Determination of the concentration and dispersion of liquid aerosols.
I. Comparison of direct methods. Pracovni lek. 13 no.3:125-131
Ap '61.

1. Ustav fyzikalni chemie CSAV, Praha.

(AEROSOLS)

PIYAVSKIY, V.P.

Measuring the spectral transmission capacity of motion-picture photographic and projection lenses. Tekh.Kino i telev. 4 no.4:28-30 Ap '60. (MIRA 13:9)

1. Leningradskiy institut kinoinzhenerov.
(Lenses, Photographic) (Motion-picture projectors)

Piyanovskiy, Ye.

Polish Technical Abst.
No. 4, 1953
Agriculture, Food
Processing Industry,
Forestry, Fisheries

2481 ✓ 644.84/85
Piyanowski E. Outline of the Technology of Fruit
and Vegetable Products. Part 1. Introduction to
the Technology of Fruit and Vegetable Products.
Part 2. Fruit and Vegetable Preserves. Part 3.
Fruit and Vegetable Produces.
Zarys technologii produktow owocowych i warzywnych.
Cz. 1 Wstep do technologii produktow owocowych i
warzywnych. Cz. 2 Konserwy owocowe i warzonne.
Cz. 3. Przetwory owocowe i warzywne. Warszawa,
1951 (cz. 1-2), 1953 (cz 3), PWRiL, 16°, 1269
pp., 113 figs., 299 tabs.
Definition and purpose of fruit and vegetable
processing. State, organization and means of developing
fruit and vegetable processing in Poland.
Methods of procedure and systematics of fruit and
vegetable products. Fruit and vegetables and their
chemical composition. Auxiliary raw material in
fruit and vegetable processing. Preparatory
steps, preliminary preparation of fruit and vegetables.
Freezing. Appertization. Drying. Corning and
pickling. Preserves and fruit in sugar. Other
methods of preserving fruit and vegetables. Fruit
and vegetable mashes and pulps. Concentrated fruit
pulp. Sweetened pulp and mash concentrates. Fruit

(over)

and vegetable juices. Processed products from
juices obtained by physical methods.

KOZACHUK, V.M., inzhener; PIYARSKIY, T.I., inzhener.

Using grader teams for grading operations. Avt.der.19 no.3:16-18
Mr '56. (MIRA 9:7)
(Ukraine--Roads--Maintenance and repair)

KOTLYARSKIY, Boris Isaakovich; PIYARSKIY, Tikhon Ivanovich; KALECHITS, Ye.V.,
redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor

[Organization of work of road machinery units] Organizatsiya rabot
maschinodorozhnogo otriada. Moskva, Meuchno-tekhn. izd-vo avtotransp.
lit-ry. 1957. 111 p.
(Road construction) (MLRA 10:9)

P.Y.Averbukhko

■ **MR. NIKOLAI VASILIEVICH TROFIMOV.** Physiologist, M.I.,
(Moscow: Institute of Timber, 1955, 52pp., U.S.S.R. State
Book Comm. (J. Acad. Sci. U.S.S.R.), June 1955, 126). Results are given of the
author's work in 1946-1950 on types of peat in the European and West Siberian
northern portion of the U.S.S.R. Polygonal and hummocky Peats, their origin **FU**
and evolution, are described. Hypotheses on the formation of hummocks are
examined. The age of peats and the course of the afforestation of the northern
parts of Eastern Europe and Western Siberia in late Quaternary times are
discussed.

PIETKOVSKY, R.

Applied Mechanics
Reviews, V. 7
Mar. 1964
Structures.

✓ 774. Pietkowsky, R., Earth pressure on the tunnel lining
(in Polish), *Instyn. Budown. S. 11*, 359-363, Nov. 1962.

Author examines the problem of determining the values of earth pressure on a tunnel lining in connection with the intended construction of a subway in Warsaw. Taken into consideration are the vertical and lateral pressures and also their mutual relation. The paper contains a comparative analysis of most frequently used methods and formulas. Among them are the methods based on theoretical examinations, and also explained are the methods resulting from actual measurements of pressures in constructed tunnels. Here the studies of Tornaghi, Howell and Krynnin, among others, are helpful. In conclusion author emphasizes the impossibility of computing the pressures on the tunnel lining with such exactitude as can be done in overground structures, and advises determining in every case the expected limiting values of pressure conforming to the soils actually found in place.

R. Stanislawski, Poland

PiETKOWSKI, R.

Polish Technical Abst.
No. 4, 1953
Building Industry and
Architecture

250)

Pietkowski, R. Soil Pressure on Tunnel Linings.
Cisnienie gruntu na obudowe tuneli. Inzynieria i
Budownictwo. No. 11, 1952, pp. 359-363, 5 figs.,
2 tabs.

It is essential, when computing soil pressure on
tunnels to determine the magnitude of vertical
stress caused by the load force of the soil,
together with the horizontal-to-vertical side
stress ratio. This problem is reviewed in the
light of opinions expressed by various investigators,
and inferences which can be drawn from this review
tend to prove that soil pressure exerted on the tunnel
can be determined just as accurately as the external
forces acting on buildings erected above ground level,
and that the pressure on the tunnel is contingent
on the nature and condition of the soil.

ANASTASIADI, A.P.; BOROVSKIY, V.R.; VYBORNOV, G.V.; KOPELYANSKIY,
G.D.; MAK, I.L.; PECHURO, S.S.; PIYEVSKIY, I.M.;
RACHEVSKAYA, K.D.; REYZNER, Yu.B.; RYBAK, L.L.; TSEPELIC VICH,
M.R.; SHUMAKHER, L.I.; TUSHKEVICH, M.O. [deceased]; AGEYENKO,
Yu.G., nauchnyy red.; BELUGIN, A.T., nauchnyy red.; KOGAN,
G.S., nauchnyy red.; KRZHEMINSKIY, S.A., nauchnyy red.;
MITSKEVICH, M.I., nauchnyy red.; SILENOK, S.G., nauchnyy red.;
TRILESNIK, Z.Ye., nauchnyy red.; ZUBAREV, K.A., glav. red.;
TROFIMOV, I.P., red.; SKRAMTAYEV, B.G., glav. red.; BALAT'YEV,
P.K., red.; KITAYEV, Ye.N., red.; KITAYGORODSKIY, I.I., red.;
ROKHVARER, Ye.L., red.; KHOLIN, I.I., red.; CHERKINSKAYA,
R.L., red.; RODIONOVA, V.M., tekhn. red.

[Manual on the production of gypsum and gypsum products] Spravochnik po proizvodstvu gipsa i gipsovykh izdelii. [By] A.P. Anastasiadi i dr. Pod red. K.A.Zubareva. Moskva, Gosstroyizdat, 1963. 464 p. (MIRA 16:7)

(Gypsum) (Gypsum products)

PIEVSKIY, I. M.

PIEVSKIY, I. M. and DEROVSKY, V. R. Institute of Russian Academy of Sciences, Department of Soviet History, USSR

"Treaty of Friendship, Cooperation and Mutual Assistance between the USSR and Poland"

Report presented at the meeting of the Bureau of Pres. Central Committee of CPSU, Presidium of the Council of Acad. Sci. Ukr. SSR and the Department of Foreign Affairs, Kiev, 20 May 1988.

Reported by Dr. fiz. N. V. Slobodchikov, Moscow, 20 May 1988.

KREMNEV, Oleg Aleksandrovich, doktor tekhn. nauk; BOROVSKIY,
Vladimir Rudol'fovich, kand. tekhn. nauk; DOLINSKIY,
Anatoliy Andreyevich, kand. tekhn. nauk. Prinimali
uchastiye: PIYEVSKIY, I.M.; DUKHNENKO, N.T.;
SHELIMANOV, V.A.; CHERNOBYL'SKIY, I.I., doktor tekhn.nauk,
retsenzent; GAVRILOV, V.N., red.izd-va; ROZUM, T.I., tekhn.
red.

[High-speed drying] Skorostnaya sushka. Kiev. Gostekhiz-
dat USSR, 1963. 381 p. (MIRA 17:2)

PIKEVSKY, Iosif Moiseyevich; BEMERG, Solomon Saulevich;
ROGOVSKY, V.I., muchm. red.

[Speedy drying of gypsum products and plaster products
with filler] Skorostnala sushka gipsovykh i gipsobeton-
nykh izdelii. Minsk, Sintezda', 1978. 124 p.
MIRA LP-4,

PTYEVSKII, I. M., KRYMOV, A. A. and TROFIMOV, V. N.

"Study and experience in the intensification of processes of drying gypsum blocks and slabs."

Report presented at the 1st All-Union Conference on Heat- and Mass- Exchange, Minsk, S.R., 5-9 June 1981

KRENOV, O.A.; kand.tekhn.nauk; BOROVSKIY, V.R., inzh.; PIYEVSKIY, I.M.,
inzh.

Intensification of drying processes of sheet-type gypsum
building materials. Stroi. mat. 6 no.7:13-16 J1 '60.

(MIRAI):?

(Plaster board--Drying)

PIYEVSKIY, I. M., KREMNEV, O. A., and BOROVSKY, V. P.

"Investigation and Knowledge of Intensification of Drying
Process of Gypsum Blocks and Planks."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

KREMNEV, O.A., doktor tekhn.nauk; BOROVSKIY, V.R., kand.tekhn.nauk;
PIYEVSKIY, I.M., inzh.

Intensifying the drying of gypsum plaster articles. Stroi. mat. 7
no.4:15-17 Ap '61. (MIRA 14:5)
(Plaster)